

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/18/2018 10/18/2018	David Julian

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2068_01_f_2014_3				
Comment Code					
Inspector Comment					
RD 2068 has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2068_01_f_2014_4				
Comment Code					
Inspector Comment					
RD 2068 crew members are trained yearly.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2068_01_f_2014_5				
Comment Code					
Inspector Comment					
RD 2068 has emergency supplies stored.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Yolo Bypass	Right	5.48	10/18/2018 10/18/2018	David Julian

LM Start	0.40	Rating **	C	Issue No.	15
LM End	0.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.402705 °	38.402705 °
				-121.693790 °	-121.693787 °
DWR ID	DWR_RD2068_01_s_2017_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the tree on the landside shoulder levee mile 0.40.					

No Photos

LM Start	2.69	Rating **	C	Issue No.	19
LM End	5.48	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.369500 °	38.329110 °
				-121.693953 °	-121.694093 °
DWR ID	DWR_RD2068_01_s_2017_19				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Crown is currently free of vegetation.					

No Photos

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Unit No. 01 Yolo Bypass	Right	5.48	10/18/2018 10/18/2018	David Julian

LM Start	3.11	Rating **	A/W	Issue No.	14
LM End	3.19	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		38.363450°	38.362340°	
			-121.694030°	-121.694060°	
DWR ID	DWR_RD2068_01_f_2017_14				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: The damage consists of scour, cracking, and sloughing of the landside levee slope approximately 40 feet in length along the west (right) bank of Shag Slough (Yolo Bypass). See attached pages for photos. Site ID No: 454 Site Designation: LMA-281 Repair Type: Stability Rating: Serious Field Date: 7/26/2017 Notes: Site combined in field with LMA-279 & LMA-282; site length redefined to reflect the changes.					

No Photos

LM Start	3.16	Rating **	A/W	Issue No.	20
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		38.362765°	38.362278°	
			-121.694040°	-121.694050°	
DWR ID	DWR_RD2068_01_f_2018_20				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair the slope instability.					

Photo 1 of 2 : FA_2018_RD2068_193_20_20180925_00012.jpg



Repair the slope instability.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/18/2018 10/18/2018	David Julian

LM Start	3.16	Rating **	A/W	Issue No.	20 (cont)	
LM End	3.19	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.362765 °		38.362278 °
				-121.694040 °		-121.694050 °
DWR ID	DWR_RD2068_01_f_2018_20					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Repair the slope instability.						

Photo 2 of 2 : FA_2018_RD2068_193_20_20180925_00013.jpg



Repair the slope instability.

LM Start	3.16	Rating **	A/W	Issue No.	12
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.362700 °	38.360200 °
				-121.694000 °	-121.694100 °
DWR ID	DWR_RD2068_01_s_2018_12				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damage consists of cracking of the upper and mid landside levee slope approximately 904 feet in length along the west (right) bank of Shag Slough (Yolo Bypass). See attached pages for photos.					
Site ID No:453					
Site Designation:LMA-280					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes: Photo only.					

No Photos

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Unit No. 01 Yolo Bypass	Right	5.48	10/18/2018 10/18/2018	David Julian

LM Start	3.26	Rating **	C	Issue No.	21
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.361292°	38.360112°
				-121.694065°	-121.694080°
DWR ID	DWR_RD2068_01_s_2017_21				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
2018: Slope has been repaired. Waiting to do erosion control measures					

No Photos

LM Start	3.36	Rating **	C	Issue No.	17
LM End	5.23	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.359900 °	38.332700 °
				-121.693800 °	-121.693700 °
DWR ID	DWR_RD2068_01_f_2017_17				
Comment Code					
Inspector Comment					
2018: Site has been repaired					
Levee Evaluation Comments					
Description:The damage consists of scour and sloughing of the lower					
waterside levee slope approximately 9,950 feet in length along the west					
(right) bank of Shag Slough (Yolo Bypass). See attached pages for					
photos.					
Site ID No:459					
Site Designation:LMA-286					
Repair Type: Stability					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

No Photos

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Unit No. 01 Yolo Bypass	Right	5.48	10/18/2018 10/18/2018	David Julian

LM Start	3.36	Rating **	C	Issue No.	22
LM End	3.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.359838 °	38.359212 °
				-121.694085 °	-121.694107 °
DWR ID	DWR_RD2068_01_s_2017_22				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
2018: Slope instability has been repaired.					

No Photos

LM Start	3.38	Rating **	C	Issue No.	18
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.359500 °	38.359400 °
				-121.694200 °	-121.694200 °
DWR ID	DWR_RD2068_01_f _ 2017_18				
Comment Code					
Inspector Comment					
2018: Site has been repaired. Still waiting to do erosion control measures					
Levee Evaluation Comments					
Description:The damage consists of scour of the lower landside levee slope approximately 32 feet in length along the west (right) bank of Shag Slough (Yolo Bypass). See attached pages for photos.					
Site ID No:460					
Site Designation:LMA-287					
Repair Type: Stability					
Rating:Serious					
Field Date:7/26/2017					
Notes: levee slope is heavily impacted from deep slope cracks and lack of levee slope support from the toe					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/18/2018 10/18/2018	David Julian

LM Start	3.73	Rating **	A/W	Issue No.	27
LM End	3.74	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.354500 °	38.354400 °
				-121.694000 °	-121.694000 °
DWR ID	DWR_RD2068_01_f_2017_27				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damage consists of scour, cracking, and sloughing of the lower landside levee slope approximately 47 feet in length along the west (right) bank of Shag Slough (Yolo Bypass). See attached pages for photos.					
Site ID No:462					
Site Designation:LMA-289					
Repair Type: Stability					
Rating:Serious					
Field Date:7/26/2017					
Notes: 2' feet vertical cut on waterside levee toe from wavewash; site combined with LMA- 288 in field.					

Photo 1 of 3 : FA_2018_RD2068_193_27_20180925_00014.jpg



LM Start	3.73	Rating **	A/W	Issue No.	27 (cont)
LM End	3.74	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA_2018_RD2068_193_27_20180925_00015.jpg



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/18/2018 10/18/2018	David Julian

LM Start	3.73	Rating **	A/W	Issue No.	27 (cont)							
LM End	3.74	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.354500°	38.354400°								
			-121.694000°	-121.694000°								
DWR ID	DWR_RD2068_01_f_2017_27											
Comment Code												
Inspector Comment												
Levee Evaluation Comments Description: The damage consists of scour, cracking, and sloughing of the lower landside levee slope approximately 47 feet in length along the west (right) bank of Shag Slough (Yolo Bypass). See attached pages for photos. Site ID No: 462 Site Designation: LMA-289 Repair Type: Stability Rating: Serious Field Date: 7/26/2017 Notes: 2' feet vertical cut on waterside levee toe from wavewash; site combined with LMA- 288 in field.												

Photo 3 of 3 : FA_2018_RD2068_193_27_20180925_00016.jpg



LM Start	4.30	Rating **	A/W	Issue No.	28							
LM End	4.31	Issue Type +	Ma	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		38.346200°	38.346100°								
			-121.694000°	-121.694000°								
DWR ID	DWR_RD2068_01_f_2017_28											
Comment Code												
Inspector Comment												
Levee Evaluation Comments Description: The damage consists of scour, cracking, and sloughing of the lower landside levee slope approximately 30 feet in length along the west (right) bank of Shag Slough (Yolo Bypass). See attached pages for photos. Site ID No: 463 Site Designation: LMA-290 Repair Type: Stability Rating: Serious Field Date: 7/26/2017 Notes: 3' feet vertical cut at waterside levee toe from wavewash												

Photo 1 of 3 : FA_2018_RD2068_193_28_20180925_00017.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/18/2018 10/18/2018	David Julian

LM Start	4.39	Rating **	A/W	Issue No.	29
LM End	4.40	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.344900 °	38.344800 °
				-121.694000 °	-121.694000 °
DWR ID	DWR_RD2068_01_f_2017_29				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:The damage consists of scour, cracking, and sloughing of the lower landside levee slope approximately 30 feet in length along the west (right) bank of Shag Slough (Yolo Bypass). See attached pages for photos.					
Site ID No:464					
Site Designation:LMA-291					
Repair Type: Stability					
Rating:Serious					
Field Date:7/26/2017					
Notes: 2' feet vertical cut at waterside levee toe from wavewash					

Photo 1 of 3 : FA_2018_RD2068_193_29_20180925_00020.jpg



LM Start	4.39	Rating **	A/W	Issue No.	29 (cont)
LM End	4.40	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA_2018_RD2068_193_29_20180925_00021.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/18/2018 10/18/2018	David Julian

LM Start	4.39	Rating **	A/W	Issue No.	29 (cont)	
LM End	4.40	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.344900°	38.344800°	
				-121.694000°	-121.694000°	
DWR ID	DWR_RD2068_01_f_2017_29					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:The damage consists of scour, cracking, and sloughing of the lower landside levee slope approximately 30 feet in length along the west (right) bank of Shag Slough (Yolo Bypass). See attached pages for photos.						
Site ID No:464						
Site Designation:LMA-291						
Repair Type: Stability						
Rating:Serious						
Field Date:7/26/2017						
Notes: 2' feet vertical cut at waterside levee toe from wavewash						

Photo 3 of 3 : FA_2018_RD2068_193_29_20180925_00022.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/18/2018 10/18/2018	David Julian

LM Start	0.01	Rating **	A/W	Issue No.	11
LM End	1.04	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.358313 °	38.372907 °
				-121.740385 °	-121.738888 °
DWR ID	DWR_RD2068_02_s_2017_11				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Vegetation on crown is currently acceptable, but should be monitored and controlled before vegetation further establishes.					

Photo 1 of 2 : FA_2018_RD2068_194_11_20181019_00008.jpg



View looking upstream at vegetation starting to establish on the crown (October 2018).

LM Start	0.01	Rating **	A/W	Issue No.	11 (cont)
LM End	1.04	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : FA_2018_RD2068_194_11_20180925_00001.jpg



Lack of crown vegetation looking north from LM 1.02.

LM Start	1.79	Rating **	M	Issue No.	10
LM End	1.79	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.381772 °	38.381772 °
				-121.730935 °	-121.730935 °
DWR ID	DWR_RD2068_02_f_2018_10				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation on the crown					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/18/2018 10/18/2018	David Julian

LM Start	1.85	Rating **	A/W	Issue No.	15
LM End	2.16	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.382542 °	38.386237 °
				-121.730262 °	-121.726930 °
DWR ID	DWR_RD2068_02_s_2017_15				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Vegetation on crown is currently acceptable, but should be monitored and controlled.					

No Photos

LM Start	3.15	Rating **	M	Issue No.	24	
LM End	3.15	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.397933 °	38.397933 °	
				-121.716406 °	-121.716406 °	
DWR ID	19352					
Comment Code						
Inspector Comment						
FS_ID:42725						
DS_ID:19352						
EP_NO: 10164						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 09/14/2017 ABO issued as Permit No. 10164 defines the 48-inch pipe as a drainpipe. (DWR UCIP - O. Magana)						
08/13/2013 Appears abandoned and if so should be done properly.						
Pipe burried except for small opening. (DWR UCIP - W. Wylie)						
FIELD_STRUCT_DESC: *ABANDONED* 48-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. (48-inch pipe [HLM 3.20] authorized under Automatic Board Order (ABO) issued as Permit No. 10164, 1974 - Reclamation District No. 2068). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 109, April 1962, (HLM 3.20)].						
FS Date: 8/13/2013						

Photo 1 of 1 : UCIP_FA_2018_42725_29680.jpg



Pipe buried but visible at toe of east side of levee.

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